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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: Tue May 22 09:08:03 EDT 2007

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Application No: 10574085 Version No: 1.0

Input Set:

Output Set:

Started: 2007-05-21 11:28:46.134  
Finished: 2007-05-21 11:28:46.514  
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 380 ms  
Total Warnings: 6  
Total Errors: 0  
No. of SeqIDs Defined: 6  
Actual SeqID Count: 6

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
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## SEQUENCE LISTING

<110> Sode, Koji

<120> GLUCOSE DEHYDROGENASE/CYTOCHROME FUSION PROTEIN

<130> 3691-0130PUS1

<140> 10574085

<141> 2007-05-21

<150> US 10/574,085

<151> 2006-03-30

<150> PCT/JP2004/014575

<151> 2004-09-28

<150> JP 2003-340092

<151> 2003-09-30

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 1776

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA coding for a fusion protein

<400> 1

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tttgacaaga	aagttattct	atctaatacta	aataagccgc	atgctttgtt	atggggacca	180
gataatcaaa	tttggttaac	tgagcgagca	acaggtaaga	ttctaagagt	taatccagag	240
tcgggtagtg	taaaaacagt	ttttcaggta	ccagagattg	tcaatgatgc	tgatgggcag	300
aatggtttat	taggttttgc	cttccatcct	gattttaaaa	ataatcctta	tatctatatt	360
tcagggtacat	ttaaaaaatcc	gaaatctaca	gataaagaat	taccgaacca	aacgattatt	420
cgtcgttata	cctataataa	atcaacagat	acgctcgaga	agccagtcga	tttattagca	480
ggattacctt	catcaaaaga	ccatcagtcA	ggtcgtcttg	tcattgggcc	agatcaaaag	540
at ttattata	cgattgggtga	ccaagggcgt	aaccagcttg	cttatttgtt	cttgccaaat	600
caagcacaac	at acgccaac	tcaacaagaa	ctgaatggta	aagactatca	cacctatatg	660
ggtaaaagtac	tacgcttaaa	tcttgatgga	agtattccaa	aggataatcc	aagttttaac	720
gggggtggta	gccatattta	tacacttgga	catcgtaatc	cgcagggctt	agcattcact	780
ccaaatggta	aattattgca	gtctgaacaa	ggcccaaact	ctgacgatga	aattaacctc	840
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tatgcttatg	caaattattc	agcagcagcc	aataagtcaa	ttaaggattt	agctcaaaat	960
ggagtaaaag	tagccgcagg	ggtcctctgtg	acgaaagaat	ctgaatggac	tggtaaaaac	1020
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acttggtggag	agatgacctA	catttgctgg	ccaacagttg	caccgtcatc	tgccctatgtc	1140
tataagggcg	gtaaaaaagc	aattactgggt	tgggaaaata	cattattgggt	tccatcttta	1200
aaacgtggtg	tcatttttccg	tattaagtta	gatccaactt	atagcactac	ttatgatgac	1260
gctgtaccga	tgtttaagag	caacaaccgt	tatcgtgatg	tgattgcaag	tccagatggg	1320
aatgtcttat	atgtattaac	tgatactgcc	ggaaatgtcc	aaaaagatga	tggtctcagta	1380
acaaatacat	tagaaaaccc	aggatctctc	attaagttca	cctataaggc	taaggagctc	1440

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ggcaaggcca ggatgccgga gttcgtggcc cagcgcaccg gccagttgct gcagggcgtg 1500
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tgtcacggcg tgccctggcgt ggaccgtggc ggaaacattc ccaatctggg ttacatggac 1620
gcgagctata tcgagaacct gccaaacttt gtcttcaagg gcccggccat ggtgcgcggc 1680
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<210> 2

<211> 591

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic fusion protein

<400> 2

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          20           25           30
Phe Ala Lys Ala Lys Ser Glu Asn Phe Asp Lys Lys Val Ile Leu Ser
          35           40           45
Asn Leu Asn Lys Pro His Ala Leu Leu Trp Gly Pro Asp Asn Gln Ile
          50           55           60
Trp Leu Thr Glu Arg Ala Thr Gly Lys Ile Leu Arg Val Asn Pro Glu
65           70           75           80
Ser Gly Ser Val Lys Thr Val Phe Gln Val Pro Glu Ile Val Asn Asp
          85           90           95
Ala Asp Gly Gln Asn Gly Leu Leu Gly Phe Ala Phe His Pro Asp Phe
          100          105          110
Lys Asn Asn Pro Tyr Ile Tyr Ile Ser Gly Thr Phe Lys Asn Pro Lys
          115          120          125
Ser Thr Asp Lys Glu Leu Pro Asn Gln Thr Ile Ile Arg Arg Tyr Thr
          130          135          140
Tyr Asn Lys Ser Thr Asp Thr Leu Glu Lys Pro Val Asp Leu Leu Ala
145          150          155          160
Gly Leu Pro Ser Ser Lys Asp His Gln Ser Gly Arg Leu Val Ile Gly
          165          170          175
Pro Asp Gln Lys Ile Tyr Tyr Thr Ile Gly Asp Gln Gly Arg Asn Gln
          180          185          190
Leu Ala Tyr Leu Phe Leu Pro Asn Gln Ala Gln His Thr Pro Thr Gln
          195          200          205
Gln Glu Leu Asn Gly Lys Asp Tyr His Thr Tyr Met Gly Lys Val Leu
210          215          220
Arg Leu Asn Leu Asp Gly Ser Ile Pro Lys Asp Asn Pro Ser Phe Asn
225          230          235          240
Gly Val Val Ser His Ile Tyr Thr Leu Gly His Arg Asn Pro Gln Gly
          245          250          255
Leu Ala Phe Thr Pro Asn Gly Lys Leu Leu Gln Ser Glu Gln Gly Pro
          260          265          270
Asn Ser Asp Asp Glu Ile Asn Leu Ile Val Lys Gly Gly Asn Tyr Gly
          275          280          285
Trp Pro Asn Val Ala Gly Tyr Lys Asp Asp Ser Gly Tyr Ala Tyr Ala
290          295          300
Asn Tyr Ser Ala Ala Ala Asn Lys Ser Ile Lys Asp Leu Ala Gln Asn
305          310          315          320

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Gly Val Lys Val Ala Ala Gly Val Pro Val Thr Lys Glu Ser Glu Trp  
 325 330 335  
 Thr Gly Lys Asn Phe Val Pro Pro Leu Lys Thr Leu Tyr Thr Val Gln  
 340 345 350  
 Asp Thr Tyr Asn Tyr Asn Asp Pro Thr Cys Gly Glu Met Thr Tyr Ile  
 355 360 365  
 Cys Trp Pro Thr Val Ala Pro Ser Ser Ala Tyr Val Tyr Lys Gly Gly  
 370 375 380  
 Lys Lys Ala Ile Thr Gly Trp Glu Asn Thr Leu Leu Val Pro Ser Leu  
 385 390 395 400  
 Lys Arg Gly Val Ile Phe Arg Ile Lys Leu Asp Pro Thr Tyr Ser Thr  
 405 410 415  
 Thr Tyr Asp Asp Ala Val Pro Met Phe Lys Ser Asn Asn Arg Tyr Arg  
 420 425 430  
 Asp Val Ile Ala Ser Pro Asp Gly Asn Val Leu Tyr Val Leu Thr Asp  
 435 440 445  
 Thr Ala Gly Asn Val Gln Lys Asp Asp Gly Ser Val Thr Asn Thr Leu  
 450 455 460  
 Glu Asn Pro Gly Ser Leu Ile Lys Phe Thr Tyr Lys Ala Lys Glu Leu  
 465 470 475 480  
 Gly Lys Ala Arg Met Pro Glu Phe Val Ala Gln Arg Thr Gly Gln Leu  
 485 490 495  
 Leu Gln Gly Val Lys Tyr Asp Pro Ala Lys Val Glu Ala Gly Thr Met  
 500 505 510  
 Leu Tyr Val Ala Asn Cys Val Phe Cys His Gly Val Pro Gly Val Asp  
 515 520 525  
 Arg Gly Gly Asn Ile Pro Asn Leu Gly Tyr Met Asp Ala Ser Tyr Ile  
 530 535 540  
 Glu Asn Leu Pro Asn Phe Val Phe Lys Gly Pro Ala Met Val Arg Gly  
 545 550 555 560  
 Met Pro Asp Phe Thr Gly Lys Leu Ser Gly Asp Asp Val Glu Ser Leu  
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 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: PCR primer

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<210> 4  
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 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: PCR primer

<400> 4  
 gggggagctc cttagcctta taggtgaac

29

<210> 5  
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<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: PCR primer

<400> 5  
gggggagctc ggcaaggcca ggatgccgga 30

<210> 6  
<211> 30  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: PCR primer

<400> 6  
ggggaagctt tcagggcttg ggccggatgg 30